

I. AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently amended) A method for modulating cardiac control in a body, comprising the steps of:

providing a treatment member, said treatment member being adapted to be in communication with the body;

providing a plurality of waveform signals representative of waveform signals generated in the body and carried by neurons in the body, said plurality of waveform signals being operative in the control ~~regulation of a plurality of cardiac functions~~ function, said plurality of waveform signals being stored in a storage medium;

selecting at least a first waveform signal from said plurality of waveform signals;

transmitting said first waveform signal to said treatment member; and

broadcasting said first waveform signal from said treatment member directly to a cardiac regulatory point in the body.

Claim 2. (Previously presented) The method of Claim 1, wherein said storage medium comprises a memory region in a computer.

Claim 3. (Currently amended) The method of Claim 1, wherein said step of transmitting said ~~second~~ first waveform signal comprises remotely transmitting said first waveform signal to said treatment member.

Claim 4. (Previously presented) The method of Claim 1, wherein said step of transmitting said first waveform signal comprises seismic transmission of said first waveform signal to said treatment member.

Claim 5. (Previously presented) The method of Claim 1, wherein said treatment member is adapted to be implanted within the body.

Claims 6- 12. (Canceled)

Claim 13. (Previously presented) The method of Claim 1, wherein said treatment member is adapted to be in contact with the body.

Claim 14. (Canceled)

Claim 15. (Currently amended) A method for modulating cardiac control in a body, comprising the steps of:

providing a treatment member, said treatment member being adapted to be implanted in the body;

providing a plurality of waveform signals representative of waveform signals generated in the body and carried by neurons in the body, said plurality of waveform signals being operative in the control ~~regulation~~ of a ~~plurality of cardiac functions~~ function;

selecting at least a first waveform signal from said plurality of waveform signals;

transmitting said first waveform signal to said treatment member; and

broadcasting said first waveform signal from said treatment member directly to a cardiac regulatory point in the body.

Claim 16. (Previously presented) The method of Claim 15, wherein said cardiac regulatory point comprises a point selected from the group consisting of the vagus nerve, hypothalamus region of the brainstem, medulla region of the brainstem and medullopontine region of the brainstem.

Claim 17. (Canceled)